Quarterly Project Status July 27, 2005

Vashon-Maury Island
Water Resources Evaluation



- Ongoing monitoring overview
 - WQ
 - WL survey
- Modeling update
- Monitoring well installation update
- NEW GW Web Page
- Budget



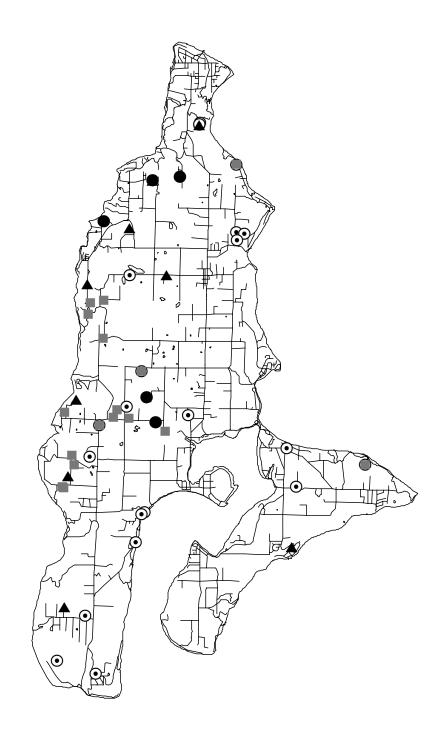
- Sampling completed in June (20th-23rd)
 - 14 of 20 sites had organic sampling
- No detected organics
 - except bis(2-ethylhexyl)adipate [lab contamination]
 - CI-pest, OP-pest, CI-herbs, EDC
- Nitrate, chloride, arsenic
 - Results will be present in annual data report



- Well water level survey planned
 - Goal = 20 to 30 wells monitored
 - Placed Ad in Beachcomber for 2 wks
 - Got 8 volunteers
 - Measurements in July/Aug, Sept, Dec
- Total (possible) WL survey sites
 - 39 sites

Potential WL survey sites

Circles (filled) = active WL sites (5) Circles (dots) = vol. WL sites (20) Triangles = active WQ sites (9) Squares = previous WQ sites (17)



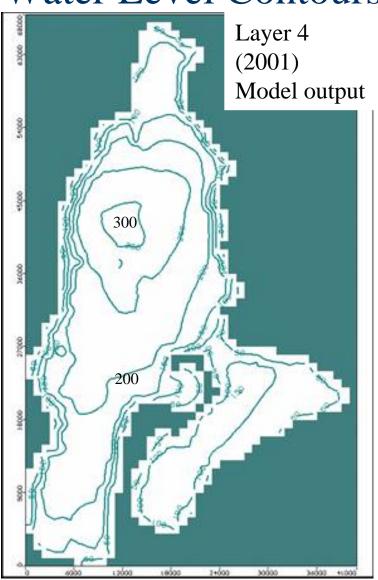


- Island-Wide Stream measurements
 - done in Sept to coincide with WL survey
- Stream and Precipitation gaging continuing
- All monitoring data to be presented in annual data report



- Phase I model completed
- Phase I model report in draft
 - behind schedule
- Phase I modeling Peer Review
 - tentatively set for late 2005
- Phase II surface water modeling begins in fall 2005

Water Level Contours



Zone 1 (1983)GWMP 200

July 27, 2005

Groundwater Balance (entire VMI)

In	Ou ⁻

- Recharge
- OSS
- Rivers

25877

Puget Sound

24366

4258

River

4166

350

Wells

1224

Springs

729

total:

30485

total

30485

Units = acre-feet/year

July 27, 2005



inflows

- + Precip
- ET
- runoff

GW inflow

outflows

Puget sound Streams Wells Springs

	WRE		Carr		GWMP					
	af/yr		af/yr		af/yr					
	80040		78857		91130					
	32026	40%	39428	50%	36170	40%				
	17529	22%	29571	38%	21285	23%				
	30485	38%	9857	13%	33675	37%				
1										
b	24366	30%	1976	3%	12895	14%				
	4166	5%	7881	10%	20780	23%				
	1224									
	729									
	30485	38%	9857	12%	33675	37%				
	80040		78857		91130					



- Scoping & site locations (next slide)
- About 6 wells planned
- Working with King County DOT
- Need to balance
 - Cost, locations, depths, drilling methods

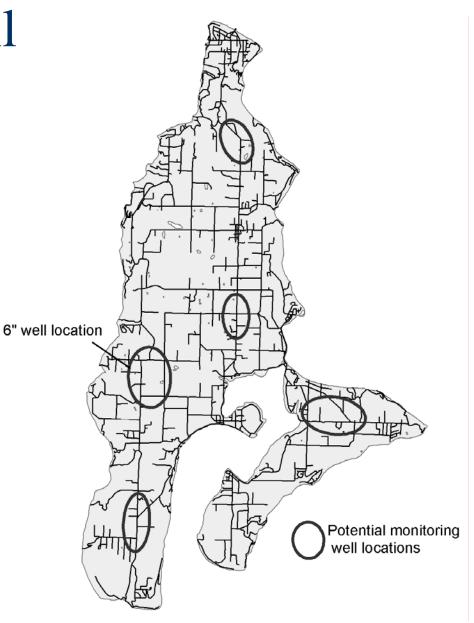
Monitoring well sites (tentative)

- 5 areas
- 6 wells

5 - 2" wells

1 - 6" well

Estimated depths between 250' to 350' each.



New Groundwater webpages!

- Check out new GW webpages
- Able to download data
- Search via i-Map
- Check out:

http://dnr.metrokc.gov/wlr/wq/groundwater.htm



- Project budget for 2005 is \$377,371
- Expenses to date: ~\$105,612
 - 28% of our budget
- Project "big- ticket" items coming in the next two quarters:
 - Monitoring well installation (121K)
 - Phase II modeling (55K)
 - GW water quality sampling (15K) done